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Attorney's Docket No. ASMMC.036 AUS

0350
0480

DECLARATION - USA PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled IN SITU REDUCTION OF COPPER OXIDE PRIOR TO SILICON CARBIDE DEPOSITION; the specification of which was filed on October 9, 2001 as Application serial 09/975,466;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

POWER OF ATTORNEY: I hereby appoint the registrants of Knobbe, Martens Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

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MAY - 3 2002
TECHNOLOGY CENTER 2800

Full name of first inventor: **Auguste J.L. SOPHIE**

Inventor's signature _____

Date _____

Residence: **Eerdekenstraat 32, 3001 Heverlee, BELGIUM**

Citizenship: **Netherlands**

Post Office Address: **Eerdekenstraat 32, 3001 Heverlee, BELGIUM**

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Full name of second inventor: **Hessel SPREY**

Inventor's signature _____

Date NOVEMBER 19, 2001

Residence: **Vredestraat 15, 3010 Kessel-Lo, BELGIUM**

Citizenship: **Netherlands**

Post Office Address: **Vredestraat 15, 3010 Kessel-Lo, BELGIUM**

Full name of third inventor: **Pekka J. SOININEN**

Inventor's signature _____

Date 7th of December, 2001

Residence: **Haltijatontuntie 21A1, FIN-02200, Espoo, FINLAND**

Citizenship: **Finland**

Post Office Address: **Haltijatontuntie 21A1, FIN-02200, Espoo, FINLAND**

Full name of fourth inventor: **Kai-Erik ELERS**

Inventor's signature _____

Date _____

Residence: **4345 NW Chanticleer Drive, Apt. #135, Portland, OR 97229, USA**

Citizenship: **Finland**

Post Office Address: **4345 NW Chanticleer Drive, Apt. #135, Portland, OR 97229, USA**

Send Correspondence To:

KNOBBE, MARTENS, OLSON & BEAR, LLP

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ASMMC.036AUS

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	SOPHIE et al.)
)
App. No.	:	09/975,466)
)
Filed	:	October 9, 2001)
)
For	:	IN SITU REDUCTION OF COPPER)
		OXIDE PRIOR TO SILICON)
		CARBIDE DEPOSITION)
)
Examiner	:	Unknown)
)
Art Unit	:	Unknown)

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949)

App. No. : 09/975,466
Filed : October 9, 2001

760-0404, Customer No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. §3.71.

Please use Customer No. 20,995 for all communications.

ASM MICROCHEMISTRY OY

Dated: _____

By: _____

~~Matti-Ervasti,~~
ILKKA TIINEN

Title: Managing Director

Address: Kutojantie 2B 02630 Espoo, FINLAND

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Application No.: 09/975.466
Filing Date: October 9, 2001

PATENT
Client Code: ASMMC.036 AUS
Page 1

ASSIGNMENT

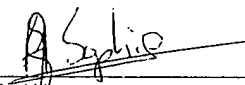
WHEREAS, We, Auguste J.L. Sophie, a citizen of the Netherlands, residing at Eerdekenstraat 32, 3001 Heverlee, BELGIUM, Hessel Sprey, a citizen of the Netherlands, residing at Vredestraat 15, 3010 Kessel-Lo, BELGIUM, Pekka J. Soininen, a citizen of Finland, residing at Haltijantuntie, 21A1, FIN-02200, Espoo, FINLAND and Kai-Erik Elers, a citizen of Finland, residing at 4345 NW Chanticleer Drive, Apt. #135, Portland, OR 97229, USA, have invented certain new and useful improvements in a IN SITU REDUCTION OF COPPER OXIDE PRIOR TO SILICON CARBIDE DEPOSITION for which we have filed an application for Letters Patent in the United States, Application No. 09/975.466, filed on October 9, 2001;

AND WHEREAS, ASM Microchemistry Oy (hereinafter "ASSIGNEE"), a with its principal place of business at Kutojantie 2B, FIN-02630, Espoo, FINLAND, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

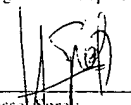
NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

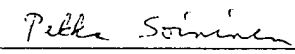
This 19th day of November, 2001.


Auguste J.L. Sophie

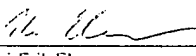
This 19th day of November, 2001


Hessel Sprey

This 7th day of December, 2001.


Pekka J. Soininen

This 16th day of November, 2001.


Kai-Erik Elers